

AMENDMENTS TO THE CLAIMS

1. (Currently amended) A method of forming a coated substrate which comprises providing a substrate having a plasma polymer coating containing residual unpolymerized polymerizable functional groups thereon formed during the plasma polymerization, applying a radiation curable composition to the resulting plasma polymer-coated substrate to which additional plasma has not been applied, wherein the radiation curable composition comprises at least one component which with forms a reaction product with the residual unpolymerized polymerizable functional groups when radiation is applied, and radiation curing the radiation curable composition.
2. (Original) A method of forming a coated substrate according to claim 1, wherein the radiation curable composition is a radiation curable gravure ink.
3. (Original) A method of forming a coated substrate according to claim 1, wherein the radiation curable composition is a radiation curable flexographic ink.
4. (Original) A method of forming a coated substrate according to claim 1, wherein the radiation curable composition is a radiation curable lithographic ink.
5. (Original) A method of forming a coated substrate according to claim 1, wherein the radiation curable composition is a radiation curable ink comprising a colorant composition and a radiation curable liquid vehicle.
6. (Previously presented) A method of forming a coated substrate according to claim 5, wherein the radiation curable vehicle comprises an alpha, beta-ethylenically unsaturated compound.

7. (Original) A method of forming a coated substrate according to claim 6, wherein the alpha, beta-ethylenically unsaturated compound comprises a (meth) acrylate.

8. (Original) A method of forming a coated substrate according to claim 1, wherein the plasma polymer coating comprises a polymerized epoxide or (meth) acrylate.

9. (Original) A method of forming a coated substrate according to claim 1, further comprising forming said plasma polymer coating.

10. (Original) A method of forming a coated substrate according to claim 1, wherein said curing is electron beam curing.

11. (Original) A method of forming a coated substrate according to claim 1, wherein said curing is UV curing.

12. (Currently amended) A coated substrate comprising a substrate having a plasma polymer coating thereon and a radiation cured composition on the plasma polymer-coated substrate, wherein a portion of the plasma polymer and a portion of the radiation cured composition have formed a reaction product and plasma has not been applied to the plasma polymer coating.

13. (Original) A coated substrate according to claim 12, wherein radiation cured composition is a radiation cured gravure ink.

14. (Original) A coated substrate according to claim 12, wherein the radiation cured composition is a radiation cured flexographic ink.

15. (Original) A coated substrate according to claim 12, wherein the radiation cured composition is a radiation cured lithographic ink.

16. (Previously presented) A coated substrate according to claim 12, wherein the radiation cured composition is a radiation cured ink comprising a colorant and a radiation curable liquid vehicle.

17. (Previously presented) A coated substrate according to claim 16, wherein the vehicle comprises a polymerizable (meth) acrylate.

18. (Currently amended) A coated substrate according to claim 12, wherein the plasma polymer coating comprises a polymerized epoxide or (meth) acrylate.

19. (Previously presented) A coated substrate according to claim 18, wherein the radiation cured composition is a radiation cured ink comprising a colorant and a radiation curable liquid vehicle.

20. (Previously presented) A coated substrate according to claim 19, wherein the vehicle comprises a polymerizable (meth) acrylate.